

REMARKS

Claims 1-42 are pending in the present application. Reconsideration of the ~~claims~~ is respectfully requested.

I. 35 U.S.C. § 102, Anticipation

The Examiner rejected Claims 1-42 under 35 U.S.C. § 102(c) as being anticipated by Biran et al. (U.S. Patent No. 6,658,521, Dec. 2, 2003)(hereinafter "Biran"). This rejection is respectfully traversed.

With respect to Claim 1, Applicants urge that the cited reference does not teach the particular method for performing an I/O transaction that entails three remote direct memory accesses. The first remote direct memory access involves sending an address of a command (in this case, the command is a request) to an adapter via remote direct memory access. The second remote direct memory access involves retrieving this command (the request) from the host. The third remote direct memory access involves initiating a remote direct memory access transfer with the host. Thus, a remote direct memory access is used to (1) send an address of a command, (2) retrieve the command, and (3) transfer the data. Per the teachings of the cited reference, a PCI I/O transaction is translated to a single remote direct memory access transaction. For example, for a write operation, the PCI write transaction is translated to a single remote direct memory access write transaction (col. 2, lines 64-67; col. 6, lines 12-16). For a read operation, the PCI read transaction is translated to a single remote direct memory access read transaction (col. 3, lines 1-2). For a prior art reference to anticipate in terms of 35 U.S.C. 102, every element of the claimed invention must be identically shown in a single reference. *In re Bond*, 910 F.2d 831, 15 USPQ2d 1566 (Fed. Cir. 1990). As shown above, every element of the claimed invention is not identically shown in a single reference, and thus Claim 1 is shown to not be anticipated by the cited reference.

Applicants traverse the rejection of Claims 2-6 for reasons given above with respect to Claim 1 (of which Claims 2-6 depend upon).

With respect to Claim 7, Applicants urge that the cited reference does not teach the particular method for performing an I/O transaction that entails three remote direct memory accesses. The first remote direct memory access involves receiving an address

of a command (in this case, the command is a request) from a host via remote direct memory access. The second remote direct memory access involves retrieving this command (the request). The third remote direct memory access involves performing a remote direct memory access transfer with the host. Thus, a remote direct memory access is used to (1) receive an address of a command, (2) retrieve the command, and (3) transfer the data. Per the teachings of the cited reference, a PCI I/O transaction is translated to a single remote direct memory access transaction. For example, for a write operation, the PCI write transaction is translated to a single remote direct memory access write transaction (col. 2, lines 64-67; col. 6, lines 12-16). For a read operation, the PCI read transaction is translated to a single remote direct memory access read transaction (col. 3, lines 1-2). As shown above, every element of the claimed invention is not identically shown in a single reference, and thus Claim 7 is shown to not be anticipated by the cited reference.

Applicants traverse the rejection of Claims 8-14 for reasons given above with respect to Claim 7 (of which Claims 8-14 depend upon).

With respect to Claims 15-21 and 29-34, Applicants traverse the rejection of such claims for similar reasons to those given above with respect to Claim 1.

With respect to Claims 21-28 and 35-42, Applicants traverse the rejection of such claims for similar reasons to those given above with respect to Claim 7.

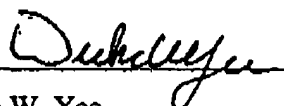
Therefore, the rejection of Claims 1-42 under 35 U.S.C. § 102 has been overcome.

II. Conclusion

It is respectfully urged that the subject application is patentable over the cited reference and is now in condition for allowance. The Examiner is invited to call the undersigned at the below-listed telephone number if in the opinion of the Examiner such a telephone conference would expedite or aid the prosecution and examination of this application.

DATE: 2/17/05

Respectfully submitted,


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